

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117914		APPLICATION NO. 10/724,207	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Masahiko YAMAMOTO et al.			
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; text-align: center;">             OIPE MAY 03 2004 PATENT &amp; TRADEMARK OFFICE           </div>				FILING DATE December 1, 2003		GROUP 2818	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS		
SD	1	US 6,351,410 B1	2/26/2002	NAKAO et al.			
SD	2	US 5,475,304 A	12/12/1995	PRINZ			
SD	3	US 6,391,483 B1	5/21/2002	ZHU et al.			
SD	4	US 2003/0107849 A1	6/12/2003	IKARASHI			
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		
SD	5	JP A 2002-73681 w/ Abst & Trans	3/12/2002	Japan			
SD	6	WO 03/032336 A1	4/17/2003	WIPO			
SD	7	JP A 2003-273331 w/ Abst & Trans	9/26/2003	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
SD	8	COWBURN et al. "SINGLE-DOMAIN CIRCULAR NANOMAGNETS," The American Physical Society, Physical Review Letters, Volume 83, Number 5, August 2, 1999, pp. 1042-1045.					
SD	9	ZHU et al. "ULTRAHIGH DENSITY VERTICAL MAGNETORESISTIVE RANDOM ACCESS MEMORY (INVITED)," Symposium on Magnetic Technology for a Single Chip Computer, Journal of Applied Physics, Volume 87, Number 9, May 1, 2000, pp. 6668-6673.					
SD	10	LI et al. "FLUX CLOSURE STRUCTURES IN COBALT RINGS," The American Physical Society, Physical Review Letters, Volume 86, Number 6, February 5, 2001, pp. 1102-1105.					
SD	11	KLÄUI et al. "VORTEX CIRCULATION CONTROL IN MESOSCOPIC RING MAGNETS," American Institute of Physics, Applied Physics Letters, Volume 78, Number 21, May 21, 2001, pp. 3268-3270.					
SD	12	SCHNEIDER et al. "MAGNETIC SWITCHING OF SINGLE VORTEX PERMALLOY ELEMENTS," American Institute of Physics, Applied Physics Letters, Volume 79, Number 19, November 5, 2001, pp. 3113-3115.					
EXAMINER  <div style="font-family: cursive; font-size: 1.2em;">SOKI DINH</div>				DATE CONSIDERED  <div style="font-family: cursive; font-size: 1.2em;">11/19/05</div>			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: May 3, 2004